

# IPv6 and IPv4 SIP IP PHONE

## LP389, LP389A and LP389S, LP389A



English LCD Display



LP389 and LP389A only Support  
3.5mm plug-in Ear Phone and  
Microphone



Do Not support  
Headset interface  
LP389S and  
LP389SA Only

### IPV6 and IPv4 Dual Stack simultaneously

Support up-to 3 Register Accounts at three SIP Servers

Do Not support Headset interface.

LP389S and LP389SA Only.

### Rich Telephony Features

Support Receive Instant Message ( IM )

Intelligent Phone Book Name Dialing

Dual Flash Memory image backup

Auto Provision feature

Color : Blue and Black

LP389 is a SIP IP feature phone which work on both IPv6 and IPv4 network address simultaneously. It supports up-to 3 register accounts and each account can be configured to access IPv4 or IPv6 network SIP Server freely. It makes migration from IPv4 to IPv6 network smoothly.

### IPv6 SIP IP Phone is ready to Market

IPv6 address was developed for years, however, it was not practical to our life up to date. More and more electronic devices are able to link to IP Network, this makes existing IPv4 address supply in shortage to global market. Meanwhile, the emerging countries are not able to increase IPv4 address supply due to strong market demand on broadband services. LP389 is an SIP based IP Phone which built-in both IPv6 and IPv4 IP address. No matter when you are ready to deploy IPv6 network now, or reserve the future expansion to IPv6 from existing IPv4 address, LP389 is ready to go. Both IPv6 and IPv4 address are working simultaneously at Voice IP Call. Its flexibility of both IPv6 and IPv4 accept and interwork both addresses on today and tomorrow when you need.

### To select freely up to 3 SIP service Accounts

LP389 is appropriate to use for VoIP Service Providers, IP Centrex service and IP-PBX within offices and remote branch offices. Up to 3 SIP Server ( or ITSP Service provider or alternative IP-PBX ) can be configured at LP389 simultaneously no matter where they are seated at IPv6 or IPv4 network address.

### Rich Telephony Features

LP389 is compatible with most brand name IPv4 and IPv6 SIP server or IP-PBX server with a variety of telephony features which are similar to legend digital PBX features and operational behaviors. LP389 receives Instant Messages ( IM ) which comes from IP-PBX server, SIP Server or IP Centrex server and show on front panel by LCD and LED Light. It is easy for you to retrieve IM messages by one touch key. LP389 provides flexible talking facility to switch among them such as Handset, Hand free Phone and Headset ear phone and microphone for heavy phone call user. The phone book name list can be searched intelligently. When one letter was entered, the related consequent name shows out at LCD immediately. An smart and intelligent design is waiting for you to use it at both IPv6 and IPv4 address network world.



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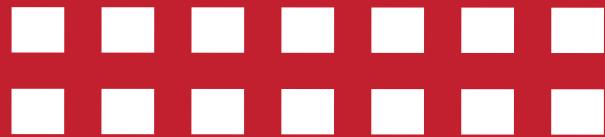
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# IPv6 and IPv4 SIP IP PHONE

## LP389, LP389A and LP389S, LP389A



### Management IP Phone is easier than before

LP389 support HTTP provision feature via MAC address. An unique MAC address profile at each LP389 IP phone was configured before installation. Those MAC addresses profile were created at HTTP server. It allows system manager to change each LP389 IP Phone configuration and firmware upgrade remotely. Moreover, LP389 has built-in dual Flash memory to avoid from crashing firmware during un-proper firmware upgrade procedures.

### SPECIFICATION

#### Interface:

Ethernet port (RJ-45, 10/100 base-T)  
1-LAN port, for connecting to switch  
1-PC port for connecting to PC  
10/100 based Switch  
PoE (IEEE 802.3af ) at LAN port : LP389A, LP389SA only  
Earphone/Microphone Jack (3.5mm) for Headset: LP389S,  
LP389SA DO Not Support  
Handset Jack (RJ-10)  
DC 12V power input Jack  
LCD Display:  
Display Format: 16 Characters (W) x 2 lines(H)  
View Size: 64(W) x 17.9 (H) mm  
LCD Type: TN  
Language Option: English and Chinese

#### IP Network connection

IPv4 (RFC 791), IPV6(RFC 2460)  
IPv6 Auto Configuration (RFC 4862)  
MAC Address (IEEE 802.3)  
Static IP  
DHCP Client (RFC 2131)  
PPPoE  
DNS Client  
TCP/UDP (RFC 793/768)  
RTP/RTCP (RFC 1889/1890)  
IPV4 ICMP (RFC 792), IPV6 ICMP(RFC 4443)  
TFTP Client  
VoIP VLAN Support (802.1Q/802.1P)  
HTTP/HTTPS Server  
QoS Support

Support IPV4 only, IPV6 only or dual stack mode

#### SIP Protocol :

RFC3261 compliance  
Support up-to 3 SIP Register Accounts (IPv4 and IPv6 are selectable)  
Support Primary and Backup SIP Proxy  
SIP UDP Protocol  
Support SIP compact Form  
SIP Session Timer (RFC 4028)  
MD5 Digest Authentication  
Reliability of provisional responses PRACK (RFC3262)  
Early/Delay media support  
Offer/answer (RFC3264)  
Message Waiting Indication (RFC3842)  
Event Notification (RFC3265)  
REFER (RFC3515)  
Support DNS SRV to locate SIP Server (RFC 3263)  
Support STUN NAT Traversal  
Support "rport" parameter (RFC 3581)

#### Audio Codec :

G.711 A-law/μ-law, G.723.1 (6.3K/5.3K)  
G.729A, GSM 6.10 (full rate)  
Silence Suppression  
VAD/CNG  
Automatic Gain Control  
In-band/out of band DTMF (RFC 4733 (RFC 2833)/SIP INFO)  
Adaptive/Configurable Jitter Buffer  
Acoustic Echo Cancellation  
Volume Adjustment

#### PREFERENCE:

Customized Idle Text  
Phone Book  
Intelligent Phone Book Name Dialing  
Clock, Daylight Saving, Call-timer  
Call History of Missed, Received and Dialed  
Dialing Plan  
Digit Manipulation  
Selectable Call Progress Tone  
Support Personal Music Ring  
Support Silence Ring  
Auto Answer Mode  
Support Auto Priority (Auto Switch) Calling  
Support Specified Line Calling

#### Call Features :

Caller ID display or inhibit  
Voice Mail with Indication  
Speed Dialing  
Call Waiting/Switching between Calls  
Call Forward (Busy, Unconditional, No Answer)  
Blocking of Anonymous Call  
Do not disturb  
Call Hold  
Call Mute  
Call Transfer  
Incoming Call Blocking List  
Music-on-hold support (via IPPBX or local)  
Conferencing (3-way conference over phone)  
Multi-parties conference (via IPPBX)  
Distinct Ring between on-net and off-net calls (compatible with SIPPBX6200S, 6200GS and 6200N only), 6200x.  
Call Pickup (via IPPBX)  
Call Park/Retrieve (via IPPBX)  
Voice Broadcasting (via IPPBX)  
Barge-in & Barge-in Allowance List



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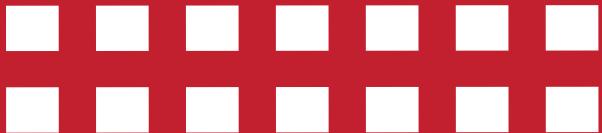
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# IPv6 and IPv4 SIP IP PHONE

## LP389, LP389A and LP389S, LP389A

Redialing/pre-dialing  
Hot Line  
Support Peer to Peer Dialing  
Support Receiving and Display Instant Message (RFC 3428)  
**MANAGEMENT :**  
SNTP with Daylight Saving  
Multilanguage Web User Interface  
Administrative Telnet CLI  
3 Levels of User Access Right with Password protection  
LCD Administration Login  
Provides System Status  
Diagnostics (debug through syslog)  
Configuration Backup/Restore  
Reset to Default  
Dual Firmware Image Backup to avoid crashing  
Support HTTP provision through MAC address

### Environmental :

Dimension: 200 × 95 × 223 mm (Desktop)  
Weight: 1.17kg (One unit with packing)  
Operating Temp. & Humidity  
- Temp.: 0°C~45°C (32°F~113°F)  
- Humidity: 10%~90% relative humidity, non-condensing  
Power Adaptor:  
- INPUT: AC100V~240V, 50/60Hz  
- OUTPUT: DC 12V, 1.0A  
Power Consumption of PoE : 4 Watts

### Approvals:

CE, FCC, LVD and RoHS

### Country of origin:

Made in Taiwan

### Packing Accessories

LP389 IP Phone x 1 pcs  
AC to DC12V Power adaptor x 1 pcs  
CD User Manual

### Warranty

One year

### Ordering Information:

	LP389	LP389A	LP389S	LP389SA
PoE	NO	YES	NO	YES
LCD Language	English	English	English	English
IPv6/IPv4	YES	YES	YES	YES
Handset and Hand-Free	YES	YES	YES	YES
Headset and Ear phone	YES	YES	NO	NO
Wall Mount	NO	NO	NO	NO
Delivery Status	NOW	NOW	NOW	NOW

